

original manufacturer. Passenger cars conforming to Canadian Motor Vehicle Safety Standard 115 are exempt from this paragraph.

§ 565.6 Content requirements.

The VIN shall consist of four sections of characters which shall be grouped accordingly:

(a) The first section shall consist of three characters that occupy positions one through three (1-3) in the VIN. This section shall uniquely identify the manufacturer, make and type of the motor vehicle if its manufacturer produces 500 or more motor vehicles of its type annually. If the manufacturer produces less than 500 motor vehicles of its type annually, these characters along with the third, fourth and fifth characters of the fourth section shall uniquely identify the manufacturer, make and type of the motor vehicle. These characters are assigned in accordance with § 565.7(a).

(b) The second section shall consist of five characters, which occupy positions four through eight (4-8) in the VIN. This section shall uniquely identify the attributes of the vehicle as specified in Table I. For passenger cars, and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg. (10,000 lbs.) or less, the first and second characters shall be alphabetic and the third and fourth characters shall be numeric. The fifth character may be either alphabetic or numeric. The characters utilized and their placement within the section may be determined by the manufacturer, but the specified attributes must be decipherable with information supplied by the manufacturer in accordance with § 565.7(c). In submitting the required information to NHTSA relating to gross vehicle weight rating, the designations in Table II shall be used. The use of these designations within the VIN itself is not required. Tables I and II follow:

TABLE I—TYPE OF VEHICLE AND INFORMATION DECIPHERABLE

Passenger car: Line, series, body type, engine type and restraint system type.

Multipurpose passenger vehicle: Line, series, body type, engine type, gross vehicle weight rating.

Truck: Model or line, series, chassis, cab type, engine type, brake system and gross vehicle weight rating.

Bus: Model or line, series, body type, engine type, and brake system

Trailer, including trailer kits and incomplete trailer: Type of trailer, body type, length and axle configuration.

Motorcycle: Type of motorcycle, line, engine type, and net brake horsepower.

Incomplete Vehicle other than a trailer: Model or line, series, cab type, engine type and brake system.

NOTE TO TABLE I: Engine net brake horsepower when encoded in the VIN shall differ by no more than 10 percent from the actual net brake horsepower; shall in the case of motorcycle with an actual net brake horsepower of 2 or less, be not more than 2; and shall be greater than 2 in the case of a motorcycle with an actual brake horsepower greater than 2.

TABLE II—GROSS VEHICLE WEIGHT RATING CLASSES

Class A—Not greater than 1360 kg. (3,000 lbs.)
 Class B—Greater than 1360 kg. to 1814 kg. (3,001-4,000 lbs.)
 Class C—Greater than 1814 kg. to 2268 kg. (4,001-5,000 lbs.)
 Class D—Greater than 2268 kg. to 2722 kg. (5,001-6,000 lbs.)
 Class E—Greater than 2722 kg. to 3175 kg. (6,001-7,000 lbs.)
 Class F—Greater than 3175 kg. to 3629 kg. (7,001-8,000 lbs.)
 Class G—Greater than 3629 kg. to 4082 kg. (8,001-9,000 lbs.)
 Class H—Greater than 4082 kg. to 4536 kg. (9,001-10,000 lbs.)
 Class 3—Greater than 4536 kg. to 6350 kg. (10,001-14,000 lbs.)
 Class 4—Greater than 6350 kg. to 7257 kg. (14,001-16,000 lbs.)
 Class 5—Greater than 7257 kg. to 8845 kg. (16,001-19,500 lbs.)
 Class 6—Greater than 8845 kg. to 11793 kg. (19,501-26,000 lbs.)
 Class 7—Greater than 11793 kg. to 14968 kg. (26,001-33,000 lbs.)
 Class 8—Greater than 14968 kg. (33,001 lbs. and over)

(c) The third section shall consist of one character, which occupies position nine (9) in the VIN. This section shall

§ 565.6

49 CFR Ch. V (10–1–06 Edition)

be the check digit whose purpose is to provide a means for verifying the accuracy of any VIN transcription. After all other characters in VIN have been determined by the manufacturer, the check digit shall be calculated by carrying out the mathematical computation specified in paragraphs (c) (1) through (4) of this section.

(1) Assign to each number in the VIN its actual mathematical value and assign to each letter the value specified for it in Table III, as follows:

TABLE III—ASSIGNED VALUES

A = 1
B = 2
C = 3
D = 4
E = 5
F = 6
G = 7
H = 8
J = 1
K = 2
L = 3
M = 4
N = 5
P = 7
R = 9
S = 2
T = 3
U = 4
V = 5
W = 6
X = 7
Y = 8

Z = 9

(2) Multiply the assigned value for each character in the VIN by the position weight factor specified in Table IV, as follows:

TABLE IV—VIN POSITION AND WEIGHT FACTOR

1st.....	8
2d.....	7
3d.....	6
4th.....	5
5th.....	4
6th.....	3
7th.....	2
8th.....	10
9th.....	(check digit)
10th.....	9
11th.....	8
12th.....	7
13th.....	6
14th.....	5
15th.....	4
16th.....	3
17th.....	2

(3) Add the resulting products and divide the total by 11.

(4) The numerical remainder is the check digit. If the remainder is 10 the letter “X” shall be used to designate the check digit. The correct numeric remainder, zero through nine (0–9) or the letter “X,” shall appear in VIN position nine (9).

(5) A sample check digit calculation is shown in Table V as follows:

TABLE V—CALCULATION OF A CHECK DIGIT

VIN Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Sample VIN	1	G	4	A	H	5	9	H	...	5	G	1	1	8	3	4	1
Assigned Value	1	7	4	1	8	5	9	8	...	5	7	1	1	8	3	4	1
Weight Factor	8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2
Multiply Assigned value times weight factor	8	49	24	5	32	15	18	80	0	45	56	7	6	40	12	12	2

Add products: 8+49+24+5+32+15+18+80+0+45+56+7+6+40+12+12+2 = 411

Divide by 11: 411/11 = 37 4/11

The remainder is 4; this is the check digit to be inserted in position nine (9) of the VIN

(d) The fourth section shall consist of eight characters, which occupy positions ten through seventeen (10–17) of the VIN. The last five (5) characters of this section shall be numeric for passenger cars and for multipurpose passenger vehicles and trucks with a gross vehicle weight rating of 4536 kg. (10,000 lbs.) or less, and the last four (4) characters shall be numeric for all other vehicles.

(1) The first character of the fourth section shall represent the vehicle model year. The year shall be des-

ignated as indicated in Table VI as follows:

TABLE VI—YEAR CODES FOR VIN

Year	Code
1980	A
1981	B
1982	C
1983	D
1984	E
1985	F
1986	G
1987	H
1988	J
1989	K

TABLE VI—YEAR CODES FOR VIN—Continued

Year	Code
1990	L
1991	M
1992	N
1993	P
1994	R
1995	S
1996	T
1997	V
1998	W
1999	X
2000	Y
2001	1
2002	2
2003	3
2004	4
2005	5
2006	6
2007	7
2008	8
2009	9
2010	A
2011	B
2012	C
2013	D

(2) The second character of the fourth section shall represent the plant of manufacture.

(3) The third through the eighth characters of the fourth section shall represent the number sequentially assigned by the manufacturer in the production process if the manufacturer produces 500 or more vehicles of its type annually. If the manufacturer produces less than 500 motor vehicles of its type annually, the third, fourth and fifth characters of the fourth section, combined with the three characters of the first section, shall uniquely identify the manufacturer, make and type of the motor vehicle and the sixth, seventh, and eighth characters of the fourth section shall represent the number sequentially assigned by the manufacturer in the production process.

§ 565.7 Reporting requirements.

The information collection requirements contained in this part have been approved by the Office of Management and Budget under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*) and have been assigned OMB Control Number 2127-0510.

(a) The National Highway Traffic Safety Administration (NHTSA) has contracted with the Society of Automotive Engineers (SAE) to coordinate the assignment of manufacturer identifiers. Manufacturer identifiers will be

supplied by SAE at no charge. All requests for assignments of manufacturer identifiers should be forwarded directly to: Society of Automotive Engineers, 400 Commonwealth Avenue, Warrendale, Pennsylvania 15096, Attention: WMI Coordinator. Any requests for identifiers submitted to NHTSA will be forwarded to SAE. Manufacturers may request a specific identifier or may request only assignment of an identifier(s). SAE will review requests for specific identifiers to determine that they do not conflict with an identifier already assigned or block of identifiers already reserved. SAE will confirm the assignments in writing to the requester. Once confirmed by SAE, the identifier need not be resubmitted to NHTSA.

(b) Manufacturers of vehicles subject to this part shall submit, either directly or through an agent, the unique identifier for each make and type of vehicle it manufactures at least 60 days before affixing the first VIN using the identifier. Manufacturers whose unique identifier appears in the fourth section of the VIN shall also submit the three characters of the first section that constitutes a part of their identifier.

(c) Manufacturers of vehicles subject to the requirements of this part shall submit to NHTSA the information necessary to decipher the characters contained in its VINs. Amendments to this information shall be submitted to the agency for VINs containing an amended coding. The agency will not routinely provide written approvals of these submissions, but will contact the manufacturer should any corrections to these submissions be necessary.

(d) The information required under paragraph (c) of this section shall be submitted at least 60 days prior to offering for sale the first vehicle identified by a VIN containing that information, or if information concerning vehicle characteristics sufficient to specify the VIN code is unavailable to the manufacturer by that date, then within one week after that information first becomes available. The information shall be addressed to: Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW., Washington, DC 20590, Attention: VIN Coordinator.